





JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number:

10220278 A

(43) Date of publication of application: 18.08.1998

(51) Int. CI

F02F 1/00

B22D 19/08,

F02F 1/10, F02F 1/16

(21) Application number:

09026989

(71) Applicant: TOYOTA MOTOR CORP

(22) Date of filing:

10.02.1997

(72) Inventor: **OTA YUKINORI**

KAJIKAWA YOSHIAKI

KARAKI MITSUHIRO

(54) CYLINDER BLOCK OF AN INTERNAL **COMBUSTION ENGINE AND MANUFACTURE** OF IT

(57) Abstract:

PROBLEM TO BE SOLVED: To prevent a mold cavity from being formed on a part surrounding a cylinder bore of a deck surface, concerning a cylinder block of an internal combustion engine provided with the cylinder bore opened to the deck surface to be brought in contact with a cylinder head.

SOLUTION: An annular inorganic fiber molding body 14 is pressed in the end of a cylinder liner 16. The inorganic fiber molding body 14 and a cylinder bore 16 are set in a mold of a cylinder block. Fused liquid is supplied to the mold to die-casting mold a block member 18. The inorganic fiber molding body 14 is changed to a metallic composite member 12 having no mold cavity by impregnation of the fused liquid. The cylinder liner 16 is cut until a rib disappears, and the cylinder bore in which the inner peripheral surface of the cylinder liner 16 and the inner peripheral surface of the metallic composite member 12 are exposed is formed.

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